



# DIXI 70630 PCD AN ALTERNATIVE TO NATURAL DIAMOND TOOLS !

from Ø 3 mm to Ø 12 mm from stock

## **SUPERFINISHING MILLING CUTTER IN POLYCRYSTALLINE DIAMOND**

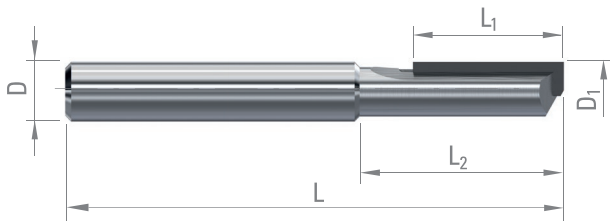
For an outstanding surface quality on the sides and bottoms of pockets !

- Unique sharpening technology
- No more polishing required
- Lifetime equivalent to monocrystalline diamond
- Cutting length up to 26 mm as standard

**A transparent surface finish close to the one  
obtained with a monocrystalline diamond**



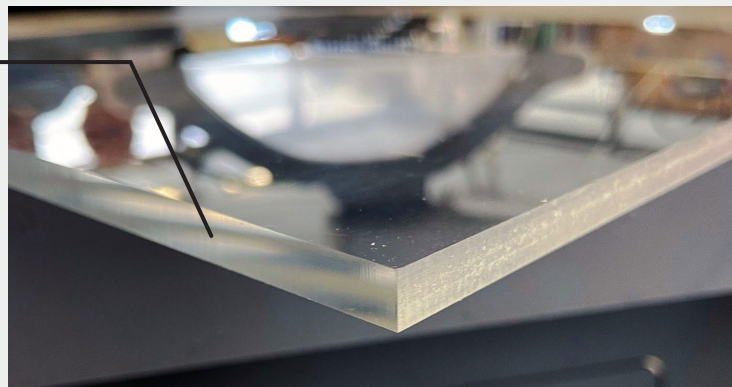
## FINISHING END MILLS CENTRE CUTTING



$D_{1h10}$	$L_1$	$L_2$	$D_{h5}$	L	PCD Finishing	PCD Regrinded
3	6	11.5	6	38	381663	381670
4	10	15.5	6	50	381665	381671
6	15	20.5	6	50	381666	381672
8	19	29.0	8	60	381667	381673
10	22	32.0	10	60	381668	381675
12	26	36.0	12	60	381669	381676

### DIXI 70630 end mill

Transparent  
surface



## APPLICATION EXAMPLE

Tool : DIXI 70630 PCD Ø 6

Material : PMMA

$n = 15'000$  rpm

$V_f = 1'000$  mm/min

$a_e = 0.1$  mm

## CONCLUSION

The **DIXI 70630** range of superfinishing milling cutters considerably reduces or eliminates the flaming and polishing operations usually required to obtain a surface close to a mirror finish.

### DIXI POLYTOOL S.A.

Av. du Technicum 37  
CH - 2400 Le Locle

T. +41 (0)32 933 54 44  
F. +41 (0)32 931 89 16

dixipoly@dixi.ch  
www.dixipolytool.com